

## HANGING DEVICE FOR SUITCASE

### BACKGROUND OF THE INVENTION

#### 1. Field of the Invention

The present invention relates to a hanging device for a suitcase, and more particularly to a hanging device that is mounted on the retractable handle of the suitcase to hang a bag (briefcase or portfolio) that is placed on the top of the suitcase and is supported by the protruding flange of the main body, thereby facilitating a user carrying the bag and the suitcase simultaneously.

#### 2. Description of the Related Art

A conventional suitcase in accordance with the prior art shown in Fig. 6 comprises a case body 1, two rollers 13 rotatably mounted on the case body 1, two pull handles 11 retractably mounted on the case body 1, and a handgrip 12 mounted on the two pull handles 11. However, the conventional suitcase cannot be used to support a bag (briefcase or portfolio), thereby causing inconvenience to a user when carrying the conventional suitcase and the bag simultaneously.

Another conventional suitcase in accordance with the prior art shown in Fig. 7 comprises a case body 2, a pull handle 21 retractably mounted on the case body 2, and a handgrip 12 pivotally mounted on the pull handle 21. However, the conventional suitcase cannot be used to support a bag (briefcase or portfolio), thereby causing inconvenience to a user when carrying the conventional suitcase and the bag simultaneously.

## **SUMMARY OF THE INVENTION**

The primary objective of the present invention is to provide a hanging device that is mounted on the retractable handle of the suitcase to hang a bag (briefcase or portfolio) that is placed on the top of the suitcase and is supported by the protruding flange of the main body, thereby facilitating a user  
5 carrying the bag and the suitcase simultaneously.

Another objective of the present invention is to provide a hanging device that is adjustably mounted on the retractable handle of the suitcase, thereby the user carrying bags of different sizes.

10 A further objective of the present invention is to provide a hanging device for a suitcase, wherein the retractable handle of the suitcase is locked by the main body and the clamping plate, so that the hanging device is mounted on the retractable handle of the suitcase rigidly and stably.

A further objective of the present invention is to provide a hanging  
15 device for a suitcase, wherein the anti-skid pads provides an anti-skid effect to the main body and the clamping plate to prevent the hanging device from slipping from the retractable handle of the suitcase.

A further objective of the present invention is to provide a hanging device for a suitcase, wherein the noise suppression pad eliminates the noise  
20 produced by hit of the press portion of the press plate with the clamping plate.

In accordance with the present invention, there is provided a hanging device, comprising:

a main body;  
a clamping plate pivotally mounted on the main body;  
a receiving chamber formed between the main body and the  
clamping plate; and

5 a press plate pivotally mounted on the main body and locked on the  
clamping plate to fix the clamping plate on the main body.

Further benefits and advantages of the present invention will become  
apparent after a careful reading of the detailed description with appropriate  
reference to the accompanying drawings.

10 **BRIEF DESCRIPTION OF THE DRAWINGS**

Fig. 1 is a perspective view of a hanging device in accordance with  
the preferred embodiment of the present invention;

Fig. 2 is an exploded perspective view of the hanging device as  
shown in Fig. 1;

15 Fig. 3 is a top plan view of the hanging device as shown in Fig. 1;

Fig. 4 is a schematic operational view of the hanging device as  
shown in Fig. 3;

Fig. 5 is a plan view showing the hanging device being mounted on a  
suitcase;

20 Fig. 6 is a perspective view of a conventional suitcase in accordance  
with the prior art; and

Fig. 7 is a perspective view of another conventional suitcase in accordance with the prior art.

### **DETAILED DESCRIPTION OF THE INVENTION**

Referring to the drawings and initially to Figs. 1-3, a hanging device  
5 for a suitcase 6 (see Fig. 5) in accordance with the preferred embodiment of the present invention comprises a main body 3, a clamping plate 4 pivotally mounted on the main body 3, a receiving chamber 7 formed between the main body 3 and the clamping plate 4, and a press plate 5 pivotally mounted on the main body 3 and locked on the clamping plate 4 to fix the clamping plate 4 on  
10 the main body 3.

The main body 3 has two sides each formed with a protruding flange 31. The main body 3 has an inside formed with a plurality of receiving grooves 33 for mounting a plurality of anti-skid pads 32. The main body 3 has a first end formed with two spaced pivot bases 34 each formed with a pivot hole 340  
15 and a second end formed with two spaced pivot seats 36 each formed with a pivot hole 360.

The clamping plate 4 has an inside formed with a plurality of receiving grooves 43 for mounting a plurality of anti-skid pads 44. The clamping plate 4 has a first end formed with two spaced pivot ears 41 each  
20 pivotally mounted on a respective one of the two spaced pivot bases 34 of the main body 3 and each formed with a wedge-shaped locking stub 410 pivotally mounted in the pivot hole 340 of the respective pivot base 34 of the main body

3. The clamping plate 4 has a mediate portion formed with a blind hole 42 for mounting a noise suppression pad 46 and a second end rested on the second end of the main body 3 and formed with a locking hook 45.

The press plate 5 has a first end formed with two spaced pivot ears 52 each pivotally mounted on a respective one of the two spaced pivot seats 36 of the main body 3 and each formed with a wedge-shaped locking stub 520 pivotally mounted in the pivot hole 360 of the respective pivot seat 36 of the main body 3. The press plate 5 has a mediate portion mounted on the locking hook 45 of the clamping plate 4 and formed with a locking groove 53 for locking the locking hook 45 of the clamping plate 4. Preferably, the mediate portion of the press plate 5 is formed with an opening 54 communicating with the locking groove 53 for receiving the locking hook 45 of the clamping plate 4. The press plate 5 has a second end formed with a press portion 51 rested on the mediate portion of the clamping plate 4 and located adjacent to the noise suppression pad 46.

In practice, referring to Figs. 1-5, the hanging device is mounted on a retractable handle 61 of the suitcase 6. The retractable handle 61 of the suitcase 6 is mounted in the receiving chamber 7 formed between the main body 3 and the clamping plate 4 as shown in Fig. 3. At this time, the locking hook 45 of the clamping plate 4 is locked in the locking groove 53 of the press plate 5 and the press portion 51 of the press plate 5 is urged on the mediate portion of the clamping plate 4, so that the clamping plate 4 is locked by the press plate 5 to

press the retractable handle 61 of the suitcase 6. Thus, the retractable handle 61 of the suitcase 6 is locked by the main body 3 and the clamping plate 4, so that the hanging device is mounted on the retractable handle 61 of the suitcase 6 rigidly and stably as shown in Fig. 5. In addition, the anti-skid pads 32 and 44 provides an anti-skid effect to the main body 3 and the clamping plate 4 to prevent the hanging device from slipping from the retractable handle 61 of the suitcase 6. Further, the noise suppression pad 46 eliminates the noise produced by hit of the press portion 51 of the press plate 5 with the clamping plate 4. In such a manner, a bag (briefcase or portfolio) 62 is placed on the top of the suitcase 6 and is supported by the protruding flange 31 of the main body 3, thereby facilitating a user carrying the bag 62 and the suitcase 6. In addition, the hanging device is adjustably mounted on the retractable handle 61 of the suitcase 6, thereby facilitating placement of the bag 62.

When not in use, the press plate 5 is pivoted outward to detach the locking hook 45 of the clamping plate 4 from the locking groove 53 of the press plate 5 as shown in Fig. 4, so that the clamping plate 4 can be pivoted outward to detach the retractable handle 61 of the suitcase 6 from the clamping plate 4, thereby detaching the hanging device from the retractable handle 61 of the suitcase 6. Thus, the hanging device can be removed from the retractable handle 61 of the suitcase 6 and placed into the suitcase 6 when not in use.

Accordingly, the hanging device is mounted on the retractable handle 61 of the suitcase 6 to hang a bag (briefcase or portfolio) 62 that is placed on

the top of the suitcase 6 and is supported by the protruding flange 31 of the main body 3, thereby facilitating a user carrying the bag 62 and the suitcase 6. In addition, the hanging device is adjustably mounted on the retractable handle 61 of the suitcase 6, thereby the user carrying bags 62 of different sizes. Further, 5 the retractable handle 61 of the suitcase 6 is locked by the main body 3 and the clamping plate 4, so that the hanging device is mounted on the retractable handle 61 of the suitcase 6 rigidly and stably. Further, the anti-skid pads 32 and 44 provides an anti-skid effect to the main body 3 and the clamping plate 4 to prevent the hanging device from slipping from the retractable handle 61 of the 10 suitcase 6. Further, the noise suppression pad 46 eliminates the noise produced by hit of the press portion 51 of the press plate 5 with the clamping plate 4.

Although the invention has been explained in relation to its preferred embodiment(s) as mentioned above, it is to be understood that many other possible modifications and variations can be made without departing from the 15 scope of the present invention. It is, therefore, contemplated that the appended claim or claims will cover such modifications and variations that fall within the true scope of the invention.